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PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

July 25, 2005

Date

*Paula M. Loud*

*Fee  
Only*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : W. Daniel Hillis, Nathan P. Myhrvold, Lowell L. Wood, Jr.  
Application No. : 10/789,802  
TITLE : INTENSITY DETECTOR CIRCUITRY  
Confirmation No. : 5649  
Filed : February 26, 2004

Examiner : Stephone B. Allen  
Art Unit : 2878  
Docket No. : 0803-001-022-000000  
Customer No. : 44,765

Mail Stop Amendment  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(d), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449 (substitute form). Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. Pursuant to 37 CFR 1.98(a)(2), copies of the foreign patent documents and non-patent literature are attached.

Adjustment Date: 11/10/2005 SDIRETA1  
08/08/2005 JMCMILLA 00000001 502857 10789802  
01 FC:1806 180.00 CR

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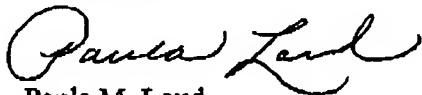
INTELLECTUAL  
**VENTURES**

205 SEP 23 2005  
1756 - 114<sup>th</sup> Ave. S.E., #110  
Bellevue, WA 98004  
US PATENT & TRADEMARK  
OFFICE  
T/425-467-2300  
F/425-467-2351  
Info@intven.com

<b>TO:</b>	<b>Refunds on Deposit Account</b>	<b>FAX NO.:</b>	<b>571-273-6500</b>
<b>COMPANY:</b>	<b>United States Patent &amp; Trademark Office</b>	<b>PHONE NO.:</b>	<b>571-272-6500</b>
<b>FROM:</b>	<b>Paula Loud, Legal Assistant</b>	<b>PHONE NO.:</b>	<b>425-467-2264</b>
<b>COMPANY:</b>	<b>Intellectual Ventures Management</b>	<b>FAX NO.:</b>	<b>425-467-2351</b>
<b>DATE:</b>	<b>September 23, 2005</b>	<b># OF PAGES (incl. cover):</b>	<b>13</b>

See attached cover letter and supporting documentation dated September 23, 2005 to the Refunds Department. We are asking that our Deposit Account (502857) be reimbursed for surcharges which were deducted erroneously from our account. If you have any questions, feel free to call me at 425-467-2264.

Best Regards,

  
Paula M. Loud

This Fax may contain privileged or other confidential information. If you are not the intended recipient, do not read, copy or disseminate it. If you have received this fax in error, please notify the sender and discard this fax.

**INTELLECTUAL  
VENTURES**1756 114th Ave SE, Suite 110  
Bellevue, WA 98004

September 23, 2005

**Sent Via Facsimile: 571-273-6500**

Attn: Refunds on Deposit Account  
U.S. Patent and Trademark Office  
Washington DC 20231

Re: Deposit Account 502857  
Account Holder: The Invention Science Fund I, LLC  
Statement Date: August 31, 2005

Dear Sir/Madam:

We have received the Monthly Statement of Deposit Account for the above-referenced account dated August 31, 2005. We noted three incorrect charges against the Deposit Account which we would like to have credited back to our account. A copy of the August statement together with the supporting backup documentation is attached.

Posting Date: 8/8/05  
Control No. 1  
Descrip: 10789802  
Docket No: 0803-001-022-000000  
Fee Code: 1806  
Incorrect Charge Assessed: \$180.00

In reviewing the statement, the PTO assessed a \$180.00 surcharge (Fee Code 1806) for failure to file an Information Disclosure Statement prior to receipt of a first Office Action from the PTO when in fact an IDS was included with the new application paperwork at the time of filing (2/26/04). A copy of the New Utility Patent Application Transmittal, Information Disclosure Statement, Form 1449 (subst.) and the return postcard showing that the IDS was included with the initial filing are enclosed herewith. Therefore, we respectfully request that the Patent Office REVERSE this charge.

Posting Dates: 8/8/05 and 8/15/05  
Control Nos. 4 and 15  
Description: 10744057 and 11137716  
Docket No: 0803-001-024A-000000  
Fee Codes: 1806 and 1081  
Incorrect Charges Assessed: \$180.00 and \$250.00

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T / 425 467 2300 F / 425 467 2350  
info@intven.com

Attn: Refunds  
USPTO Deposit Account  
U.S. Patent & Trademark Office  
Page 2  
September 23, 2005

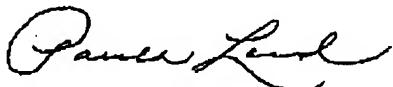
In reviewing the statement, the PTO assessed a \$180.00 surcharge (Fee Code 1806) for failure to file an Information Disclosure Statement prior to receipt of a first Office Action from the PTO when in fact an IDS was included with the new application paperwork at the time of filing (12/22/03). A copy of the Information Disclosure Statement, Form PTO-1449 (Subst.) and the return postcard showing that the IDS was included with the initial filing are enclosed herewith.

In addition, the PTO assessed a \$250.00 Utility Application Size Fee surcharge (Fee Code 1081) when in fact the as-filed application (20 pages) together with figures (4 sheets) totaled 24 pages. I am including a copy of the return postcard which shows that less than 100 pages were filed with the USPTO. Therefore, we respectfully request that the Patent Office REVERSE the size fee surcharge as well.

Please make these corrections to your records, credit our Deposit Account and let me know when the charges are reversed either by email: [paulal@intven.com](mailto:paulal@intven.com) or by fax at 425-467-2351. If you have any questions you can reach me at 425-467-2264.

Thank you for your attention to this matter.

Sincerely,



Paula M. Loud  
Legal Assistant

Enclosures

Rec'd Available Con'



## UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
 United States Patent and Trademark Office  
 P.O. Box 1450  
 Alexandria, VA 22313-1450  
 www.uspto.gov

MONTHLY STATEMENT  
OF DEPOSIT ACCOUNT

To replenish your deposit account, detach and return top portion with your check. Make check payable to Director of Patents & Trademarks.

THE INVENTION SCIENCE FUND I, LLC  
 INTELLECTUAL VENTURES VENTURES  
 1756 - 114TH AVENUE S.E.  
 SUITE 110  
 BELLEVUE WA 98004

FINA

Account No.
502857
Date
8-31-05
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 P.O. Box 70541  
 Chicago, IL 60673

ATE POSTED YR.	CONTROL NO.	DESCRIPTION (Serial, Patent, TM, Order)	DOCKET NO.	FEES CODE	CHARGES/ CREDITS	BALANCE
8/8/05	1	10789802	0803-001-022-000000	1806	180.00	7838.00
8/8/05	4	10744057	0803-001-024A-000000	1806	180.00	7658.00
8/15/05	15	11137716	0904-003-010K-000000	1081	250.00	7408.00
8/15/05	97	11122274		1202	350.00	7058.00
8/16/05	1	11137716	1103-006-010B-000000	1202	- 50.00	7008.00
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8/31/05	241	PCT/US05/30045	100302021W01	1703	437.00	6421.00

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AN AMOUNT SUFFICIENT TO  
 COVER ALL SERVICES REQUESTED

OPENING BALANCE	TOTAL CHARGES	TOTAL CREDITS	CLOSING BALANCE
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PAGE 4/13\* RCV'D AT 9/22/2005 8:10:00 PM [Eastern Daylight Time] SVR:USPTO-EFXRF-6/26\* DNI:2736500\* CSID:4254672351\* DURATION (mm:ss):04:52\* DRAWN

# Post Available Copy

Express Mail No. ER 773818735US Docket No. 0803-001-022

U.S. Patent & Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop Patent Application  
Crystal Plaza Two, Lobby, Room 11303  
Arlington, VA 22202

NEW APPLICATION

SENT: February 26, 2004

PLEASE STAMP WITH APPLICATION NO. AND RETURN  
Kindly acknowledge receipt of the below-listed documents by placing your receiving  
stamp hereon and mailing:

Cert. of Mailing by Ex. Mail; New Utility Patent Application Transmittal (+ copy)  
Specification (35 pages); 5 Sheets of Drawings (FIGs. 1-5); Information Disclosure  
Statement; Form PTO-1449 (Subst.) and copies of 4 cited references in re: W. Daniel  
Hillis; Nathan P. Myhrvold; and Lowell L. Wood, Jr., for INTENSITY DETECTOR  
CIRCUITRY filed on February 26, 2004.

THE INVENTION SCIENCE FUND, L.L.C.

Express Mail No. ER 773818735US Docket No. 0803-001-022

Postage Date and  
Application No.  
Number Stamp

U.S. Patent & Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop Patent Application  
Crystal Plaza Two, Lobby, Room 11303  
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Hillis; Nathan P. Myhrvold; and Lowell L. Wood, Jr., for INTENSITY DETECTOR  
CIRCUITRY filed on February 26, 2004.

THE INVENTION SCIENCE FUND, L.L.C.

The Invention Science Fund I, LLC  
 1422 - 130<sup>th</sup> Avenue N.E.  
 Bellevue, WA 98005  
 425-467-2262  
 425-467-2350 Facsimile

Express Mail No.: ER 773818735 US  
 Attorney Docket No.: 0803-001-022-000000  
 Filing Date: February 26, 2004

U.S. Patent and Trademark Office  
 2011 South Clark Place  
 Customer Window, Mail Stop Patent Application  
 Crystal Plaza Two, Lobby, Room 1B03  
 Arlington, VA 22202

### NEW UTILITY PATENT APPLICATION TRANSMITTAL

Inventors: W. Daniel Hillis; Nathan P. Myhrvold; Lowell L. Wood, Jr.

For: INTENSITY DETECTOR CIRCUITRY

### APPLICATION ELEMENTS AND ACCOMPANYING PARTS

U.S. Utility Patent Application: Specification (35 pages).  
 5 Sheets of Drawings (Figs. 1-5).  
 A Declaration and Power of Attorney.  
 An assignment of patent application to The Invention Science Fund I, LLC, a limited liability corporation of the State of Washington.  
 A Preliminary Amendment.  
 An Information Disclosure Statement, Form PTO-1449, and Copies of 4 Citations.  
 Filed without formal signature documents or fee.

### LARGE ENTITY FEE CALCULATION

Utility Filing Fee

\$770

Claims:	No. Filed		Extra		Surcharge		
Total Claims	47	-20	=	27	x	\$18	=
Independent Claims	6	-3	=	3	x	\$86	=
Multiple Dependent Claims	0			0		\$290	
Assignment Recordation	0			0		\$40	
						Total Fee Enclosed	\$0

### METHOD OF PAYMENT

Payment enclosed  Check  Money Order  Other  
 The Director is hereby authorized to  
 Charge indicated fees and credit any over payments to Deposit Account No. \_\_\_\_\_  
 Charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 to Deposit Account No. \_\_\_\_\_

Submitted by:

Dale R. Cook  
 Reg. No. 42,434

*ZG F 1 my ZGSC*  
 Date

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EXPRESS: IL NO. ER 773818735 US

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : W. Daniel Hillis; Nathan P. Myhrvold; Lowell L. Wood, Jr.

Application No. : To Be Assigned

Filed : February 26, 2004

For : INTENSITY DETECTOR CIRCUITRY

Examiner : To Be Assigned

Art Unit : To Be Assigned

Docket No. : 0803-001-022-000000

Date : February 26, 2004

Director for Patents  
U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop Patent Application  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(d), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449 (substitute form). Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. Copies of the foreign patent documents and/or non-patent literature, if any, are attached.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

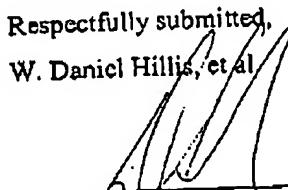
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EXPRESS MAIL NO. ER 773818735 US

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,

W. Daniel Hillis, et al

  
Dale R. Cook  
Registration No. 42,434

DRC:p1

## Enclosures:

Postcard  
Certificate of Mailing by Express Mail  
New Utility Patent Application Transmittal (+ copy)  
Specification (35 pages)  
5 Sheets of Drawings (Figs. 1-5)  
Form PTO-1449 (substitute)  
Cited References Attached (4)

The Invention Science Fund I, LLC  
1422 - 130<sup>th</sup> Ave. N.E.  
Bellevue, WA 98005  
(425) 467-2262  
(425) 467-2350 Facsimile

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EXPRESS L. I. NO. ER 773818735 US

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b>	Application Number	To Be Assigned
	Filing Date	February 26, 2004
	First Named Inventor	W. Daniel Hillis
	Group Art Unit	
	Examiner Name	
	Attorney Docket Number	0803-001-022-000000

Page 1 of 1

U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	<p>ANDOR TECHNOLOGY Website link: <a href="http://Andor-tech.com">Andor-tech.com</a>\low light imaging\xon\EMCCD-          "The iXon CCDs featuring EM technology are the most sensitive imaging detectors ever!"          Printed on 02/26/04</p>
	<p>BLACK, BRIAN, Analog-to-Digital Converter Architectures and Choices for System Design, Analog Dialogue 33-8 (1999), pp. 1-4,</p>
	<p>DAVIDSON, MICHAEL W., ABRAMOWITZ, MORTIMER, et al. "Digital Imaging in Optical Microscopy" at <a href="http://www.micro.magnet.fsu.edu/primer/digitalimaging/digitalimagebasics.html">www.micro.magnet.fsu.edu/primer/digitalimaging/digitalimagebasics.html</a>; Printed on 02-23-04</p>
	<p>DENVIR, DONAL J., et al., "Electron Multiplying CCDs," Andor Technology Ltd. UK at <a href="http://www.andor-tech.com">www.andor-tech.com</a>; Printed on 02-26-04</p>

Examiner  
Signature

OMB 0651-0031

Date  
Considered

PAGE 9/13 \* RCVD AT 9/22/2005 8:10:00 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-6/26 \* DNS:2736500 \* CSID:4254672351 \* DURATION (mm:ss):04:52

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